Response to Winter Hazards (Snow, Freezing Rain and Freezing Fog)

Changes “Other Than Inconsequential” Require These Additional Reviews:
Radiological Controls:
Lee Livesey’s Organization

USQ # N/A-4

<table>
<thead>
<tr>
<th>Rev-Mod</th>
<th>Release Date</th>
<th>Justification</th>
<th>Summary of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-4</td>
<td>11/29/2018</td>
<td>Step Sequence Change</td>
<td>Modified the Entry Conditions section of the procedure in addition to adding directions in the Immediate Actions section involving hazards presented by way of snow or ice.</td>
</tr>
<tr>
<td>F-3</td>
<td>12/05/2017</td>
<td>Operations request</td>
<td>Modified Step 3.1.2.1 for clarification.</td>
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<tr>
<td>F-2</td>
<td>10/17/2017</td>
<td>Request by Operations to add snow routes for snow removal.</td>
<td>Added additional attachments for snow routes. Added note above Step 3.1.2 and moved steps 3.1.3.3 and 3.1.3.4 to sub-steps 3.1.2.1 and 3.1.2.2 for snow removal and mitigating hazardous conditions. Deleted Step 3.1.4 and modified new step 3.1.4. Modified steps under Step 3.2.1. Updated Records section to match writer standard.</td>
</tr>
<tr>
<td>F-1</td>
<td>12/22/2015</td>
<td>Operations request</td>
<td>Step 3.1.3 and sub-steps 3.1.3.1 were modified. Added 3.1.3.1.d and Step 3.1.3.2.</td>
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<tr>
<td>F-0</td>
<td>07/16/2015</td>
<td>Periodic review.</td>
<td>No changes.</td>
</tr>
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</table>
1.0 **AFFECTED PERSONNEL, FACILITIES, EQUIPMENT, OR AREAS**

This procedure applies to WRPS personnel and subcontractors doing work in 200 East Area, 200 West Area, and 600 Area controlled by WRPS and equipment in these areas.

2.0 **ENTRY CONDITIONS**

- Notification from personnel of winter hazards such as snow, freezing rain and/or freezing fog that could affect the safety of personnel entering or working in WRPS facilities
- Observed indications that actions are required to protect equipment from freezing such as freezing rain or fog.

3.0 **ACTIONS**

3.1 **Immediate Actions**

3.1.1 **ANNOUNCE** entering TF-AOP-017 over Tank Farm radio channel(s) **AND**

**SEND** SOEN message that includes the following:

- Entry into TF-AOP-017
- Event and location
- Required actions for affected personnel/protective actions as applicable
- Access approval and authority as applicable.

**NOTE:** TFC-BSM-FPM_PR-C-13 focuses on snow/ice mitigation of WRPS parking lots, sidewalks, and general purpose facilities. NOT Tank Farms.

3.1.2 **IF** snow or ice presents a hazard, **PERFORM** the following:

3.1.2.1 **MITIGATE** hazardous conditions by shoveling snow and applying ice-melt on walking paths identified on Attachment 1 through Attachment 5, to assist in performance of TSR, Environmental or OSD related rounds.
3.1 Immediate Actions (Cont.)

3.1.2.2 IF support is needed for application of ice melt and/or snow removal at the Tank Farms, CONTACT the Snow Removal Maintenance On-Call for resources.

3.1.2.3 IF support is needed for application of ice melt and/or snow removal at WRPS General Purpose Facilities, IMPLEMENT TFC-BSM-FPM_PR-C-13, Winterization and Snow Removal Procedure for Tank Operations Contractor Facilities.

NOTE - Work indoors may continue while facility management is implementing snow/ice removal.

3.1.3 REQUEST Shift Managers, review released work activities AND ENSURE walk downs to identify and mitigate winter hazards are performed to include surrounding areas that affect travel to work locations.

3.1.3.1 DIRECT Field Work Supervisors (FWS)/Operations Engineers (OE) to inspect work site conditions.

a. FWS/OE BRIEF (i.e., pre-job) work crews on hazards and how to mitigate identified hazards at the work site.

b. FWS/OE PERIODICALLY MONITOR work site conditions and as warranted update crews regarding changing conditions.

c. FWS/OE INFORM Shift Manager if conditions impact planned operations or released work.

d. IF hazards are identified and cannot be mitigated (i.e. tent structure), ENSURE area is avoided AND NOTIFY Shift Manager.

3.1.3.2 IF assistance is needed when evaluating mitigation measures or work site conditions, CONTACT Industrial Safety.
3.1 Immediate Actions (Cont.)

3.1.3.3 **EVALUATE** any work activities that may need additional compensatory measures or PPE to continue this includes:
- Work utilizing respirators in unheated areas
- Work involving crane or heavy equipment movement
- Additional areas where emerging hazards such as impairment of footing and poor vision need to be addressed prior to work.

3.1.4 **EVALUATE** conditions against reporting requirements of TFC-OPS-OPER-C-24.

3.1.5 **IF** required actions are still in effect at shift change, **ENSURE** oncoming personnel receive appropriate briefings and notifications.
3.2 Follow-On Actions

NOTE - Steps within Section 3.2 may be performed in any logical order.
- If temperatures rise and fall below freezing, melted snow runoff, rain, or condensate will create new slipping hazards.

3.2.1 CONTINUE to evaluate winter hazards.

3.2.1.1 EVALUATE conditions against the notification requirements of TF-REC-001, Response to Environmental Conditions.

3.2.1.2 CONTINUE to evaluate work areas and other personnel traffic areas for winter hazards (e.g. snow piles, slipping/tripping hazards) AND 

MITIGATE any hazards identified.

3.2.1.3 IF hazards cannot be mitigated, ENSURE area is avoided AND COMMUNICATE unmitigated hazard to affected personnel.

4.0 EXIT CRITERIA

Hazards have been mitigated to the point where additional actions other than PPE, are not required.

4.1 Exit Actions/Criteria

4.1.1 IF the criteria in Section 4.0 has been met, ANNOUNCE exiting TF-AOP-017 over Tank Farm radio channel(s) AND 

SEND SOEN message.
5.0 RECORDS

The performance of this procedure generates no records.

The record custodian identified in the Company Level Records Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.
Attachment 1 - AW Tank Farm

Water Service Building
Instrument Building
Exhauster

AW-101
AW-102
AW-103
AW-104
AW-105
AW-106
Attachment 2 - AY/AZ Tank Farm
Attachment 5 - SY Tank Farm